

PATENT

App. Ser. No.: 10/007,713

Atty. Dkt. No. ROC920010222US1

PS Ref. No.: IBMK10222

IN THE CLAIMS:

The claims remain as follows:

1. (Previously Presented) A method for updating a database containing information related to one or more web pages, comprising:

monitoring operations of a web browser program to detect an event indicating a change involving a web page for which information is stored in the database; and

in response to detecting such an event, sending a notification to the database containing the information causing the information to be updated in accordance with the change.

2. (Previously Presented) The method of claim 1, further comprising:
verifying whether a data table in the database allows automatic updates before sending the notification.

3. (Previously Presented) The method of claim 1, further comprising:
attaching the database to the web browser through a login process.

4. (Previously Presented) The method of claim 3, wherein the web browser resides on a client system and the database resides on a server system.

5. (Previously Presented) The method of claim 1, wherein the event comprises receiving, from a web server, a page redirect request to change a uniform resource locator (URL) of a web page from a first network address to a second network address.

6. (Previously Presented) The method of claim 5, wherein the notification sent to the database requests replacement of the first network address with the second network address in one or more data tables in the database.

PATENT

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7. (Original) The method of claim 5, wherein the first and second network addresses are utilized as links on a web page.

8. (Previously Presented) The method of claim 1, wherein the event comprises a change in a web page.

9. (Previously Presented) The method of claim 8, wherein the notification sent to the database contains sufficient information to update the database to reflect the change in the web page.

10. (Previously Presented) The method of claim 9, wherein the notification contains sufficient information to update the database to reflect multiple changes in the web page.

11. (Previously Presented) A signal bearing medium, comprising a program which, when executed by a processor, performs an operation for updating a database on a server containing information about a set of web pages, the operation comprising:

receiving a change request from a web browser, the change request indicating the web browser has detected a change related to a web page for which information is stored in the database; and

updating the database based on information contained in the change request to reflect the detected change.

12. (Original) The signal bearing medium of claim 11, wherein the operation further comprises verifying whether a data table in the database allows automatic updates before updating the data table.

13. (Previously Presented) The signal bearing medium of claim 11, wherein the operation further comprises attaching the database to the web browser.

PATENT

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14. (Previously Presented) The signal bearing medium of claim 13, wherein the web browser is on a client system and the database is connected to a server system.
15. (Previously Presented) The signal bearing medium of claim 11, wherein the information contained in the change request indicates the web browser detected a redirect notification from a server redirecting the web page from a first network address to a second network address.
16. (Original) The signal bearing medium of claim 15, wherein the updating comprises replacing the first network address with the second network address in one or more data tables in the database.
17. (Original) The signal bearing medium of claim 15, wherein the first and second network addresses are utilized as links on a web page.
18. (Previously Presented) The signal bearing medium of claim 11, wherein the information contained in the change request indicates the web browser detected a change in the web page.
19. (Previously Presented) The signal bearing medium of claim 18, wherein the updating comprises executing a trigger program for determining additional programs to be run to update the database, based on the information contained in the change request.
20. (Previously Presented) The signal bearing medium of claim 11, wherein the notification contains sufficient information to update the database to reflect multiple changes in the web page.
21. (Previously Presented) A computer system, comprising:
a database containing information about a set of web pages;

PATENT

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a memory containing at least a database management system comprising a database update program; and

a processor which, when executing the database update program, is configured to update at least one table in the database containing information about a web page in response to receiving a change request from a web browser, the change request containing information indicating the web browser detected a change event related to the web page.

22. (Previously Presented) The computer system of claim 21, further comprising a network connection configured to allow communication with the web browser after a secure attachment procedure.

23. (Previously Presented) The computer system of claim 21, wherein the information indicating the web browser detected a change event related to the web page comprises an indication the web browser detected a change to the content or layout of the web page.

24. (Previously Presented) The computer system of claim 23, wherein the processor is configured to execute a trigger program for determining additional programs to be run to update the database, based on the information contained in the change request.

25. (Previously Presented) The computer system of claim 21, wherein the processor is further configured to verify whether the data table in the database allows automatic updates before updating the data table.

26. (Previously Presented) The computer system of claim 21, wherein information contained in the change request indicates receipt by the web browser of a page redirect request from a first network address to a second network address, and wherein the processor is configured to replace the first network address with the second network address in one or more data tables in the database.

PATENT

App. Ser. No.: 10/007,713

Atty. Dkt. No. ROC920010222US1

PS Ref. No.: IBMK10222

27. (Previously Presented) The computer system of claim 21, wherein the processor is configured to execute a trigger program for determining additional programs to be run to update the database to reflect multiple changes indicated in the information contained in the change request.

28. (Previously Presented) The computer system of claim 21, wherein the processor is configured to execute multiple sub-trigger programs to update the database to reflect the multiple changes indicated in the information contained in the change request.

29. (Previously Presented) A method for updating a database containing references to network addresses, comprising:

automatically accessing each network address on a list of network addresses referenced in the database;

determining one or more changes in location or content related to a web page associated with each network address accessed; and

automatically updating the database according to the one or more changes.

30. (Original) The method of claim 29, further comprising:
generating the list of network addresses from the database.

31. (Previously Presented) The method of claim 29, wherein determining one or more changes in location or content related to a web page associated with each network address accessed comprises detecting a page redirect from a first network address to a second network address, and wherein the database is updated to replace the first network address with the second network address in one or more data tables in the database.

PATENT

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Atty. Dkt. No. ROC920010222US1

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32. (Original) The method of claim 29, wherein the updating comprises executing one or more trigger programs according to the one or more changes related to the network address.

33. (Previously Presented) A signal bearing medium, comprising a program which, when executed by a processor, performs an operation for updating a database containing references to network addresses, the operation comprising:

automatically accessing each network address on a list of network addresses referenced in the database;

determining one or more changes in location or content related to a web page associated with each network address accessed; and

automatically updating the database according to the one or more changes.

34. (Original) The signal bearing medium of claim 33, further comprising:
generating the list of network addresses from the database.

35. (Previously Presented) The signal bearing medium of claim 33, wherein determining one or more changes in location or content related to a web page associated with each network address accessed comprises detecting a page redirect from a first network address to a second network address, and wherein the database is updated to replace the first network address with the second network address in one or more data tables in the database.

36. (Previously Presented) The signal bearing medium of claim 33, wherein the updating comprises executing one or more trigger programs according to the one or more changes related to the web page associated with the network address.